

## ***Project Summary and Justification***

Department      Public Utilities

Division          Wastewater

The Capital Improvement Program for the 2003-2009 period is a continuing and comprehensive effort to assure the proper collection and treatment of current and future wastewater flows and loads in a manner that protects human health and the environment and that meets Federal Environmental Protection Agency (EPA) and State of Nebraska Department of Environmental Quality (NDEQ) National Pollutant Discharge System (NPDES) discharge permits, Clean Air Act permits, and regulated operating requirements.

### **Project 1      Collection System Extension - Match. (Continuation, 502500)**

Provide for construction of mains larger than 8" in diameter residential, commercial, and industrial areas. Also, to subsidize mains in certain wastewater districts, new subdivisions, future growth areas, or other City projects.

### **Project 2      Preliminary Design and Engineering Support. (Continuation, 502610)**

Provide for preliminary design and review of unanticipated wastewater projects.

### **Project 3      Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (Continuation, 700359)**

Provide for replacement, reconstruction, and/or repair of wastewater facilities and/or collectors that have served their useful lives and are in poor structural condition. Included are repairs to collectors and appurtenances to reduce infiltration and inflow into the system. Easements may be required.

- 3.1      Selected Replacement or Repair of Manholes. (Continuation, 502720).
- 3.2      Repair Sanitary Sewer - S. 17<sup>th</sup> and Vine Streets.
- 3.3      Replace Sanitary Sewer - Knox Street, N. 56<sup>th</sup> to N. 47<sup>th</sup> Streets.
- 3.4      Repair Sanitary Sewer - Harrison Avenue, Worthington Avenue to S. 19<sup>th</sup> Street.
- 3.5      Repair Sanitary Sewer - S. 27<sup>th</sup> Street, Manse Avenue to Van Dorn Street.
- 3.6      Repair Sanitary Sewer - S. 40<sup>th</sup> Street, Pawnee to Van Dorn Streets.
- 3.7      Replace Sanitary Sewer - N.W. 44<sup>th</sup> Street, W. Mathis to Superior Streets.

These collection system projects provide for necessary improvements and replacements to the wastewater collection system lines, manholes, and liftstations to minimize infiltration and inflow into the system and to maintain service in these areas. Included are those lines that are in poor structural condition with deteriorated flow characteristics, corroded, or broken and are in need of replacement.

### **Project 4      Addition to Maintenance Equipment Storage Building for Wastewater Collection. (Continuation, 701547)**

This project provides for design and construction of an addition and expansion to the existing collection system maintenance and storage facilities to house existing maintenance equipment, pipe, and materials utilized in maintaining the wastewater collection system as it expands to meet future growth.

***Project Summary and Justification (cont.)***

Department	Public Utilities
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Division	Wastewater
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***TRUNK SEWER SYSTEM IMPROVEMENTS***

The following trunk and relief sewer projects provide for additional and future capacity by relieving overloaded and surcharging conditions in existing trunk lines due to Lincoln's continuing growth. Extending of the described trunk lines in the various basins provides for meeting future growth and development needs of the City in these basins as outlined in the City's Comprehensive Plan.

**Project 5      Salt Valley Basin - Relief Sewer Improvements. (Continuation, 502450, 502452, 502453, and 502454)**

- 5.1 Phase II.b and III - Haymarket Park to S. 4<sup>th</sup> and Rose Streets.
- 5.2 Phase IV and V - S. 4<sup>th</sup> and Rose Streets to S. 3<sup>rd</sup> Street and Old Cheney Road.
- 5.3 Upper Southeast and Southwest Salt Creek - S. 27<sup>th</sup> Street and Yankee Hill Road to Rokeby Road and S. 14<sup>th</sup> Street to S. 1<sup>st</sup> Street and Pine Lake Road.

**Project 6      Northeast Salt Creek Basin. New Trunk Sewer - N. 56<sup>th</sup> Street to N. 70<sup>th</sup> Street, north of Salt Creek.****Project 7      Little Salt Creek Basin. (Continuation, 502005, 502006, and 502007)**

- 7.1 N. 31<sup>st</sup> Street Liftstation Outfall Improvements - N. 31<sup>st</sup> and Salt Creek to Cornhusker Hwy.
- 7.2 Extend Trunk Sewer - N. 14<sup>th</sup> and Humphrey Avenue to approximately N. 7<sup>th</sup> Street and Alvo Road.

**Project 8      Oak Creek Basin. (Continuation, 502940)**

- 8.1 North Bank Trunk Sewer Extension - N.W. 38<sup>th</sup> to N.W. 40<sup>th</sup> Streets and Hwy. #34.

**Project 9      Beals Slough Basin. (Continuation, 700333, 700924, 700925, and 700926)**

- 9.1 Phase I and II - Relief Trunk Sewer - S. 14<sup>th</sup> Street to S. 56<sup>th</sup> Street and Hwy. #2.
- 9.2 Upper Beals Slough - Extend Trunk Sewer - S. 65<sup>th</sup> Street and Pine Lake Road to S. 56<sup>th</sup> and S. 70<sup>th</sup> Streets and Yankee Hill Road.

**Project 10      West "O" Street Basin. (Continuation, 701019)      Extend Trunk Sewer - S.W. 40<sup>th</sup> Street to near N.W. 48<sup>th</sup> Street and I-80.****Project 11      Lynn Creek Trunk Sewer (relief trunk sewer) - N. 1st and Harvest Drive to Barons Road.****Project 12      Stevens Creek Basin. New Trunk Sewer System - Phase I through Phase III. Northeast WWTP to Leighton and Stevens Creek.*****TREATMENT FACILITIES***

### ***Project Summary and Justification (cont.)***

Department      Public Utilities

Division            Wastewater

New NPDES discharge permits for both facilities will further define limits and are anticipated for public notice and issuance in the second quarter of 2003. The noted treatment facility improvement projects for the Theresa and Northeast treatment facilities provide for additional growth and capacity, maintain proper and cost efficient treatment to meet current and future NPDES effluent discharge limits and provide for other necessary improvements.

#### **Project 13      Theresa Street Improvements.**

- 13.1      Treatment Process Capacity Improvements and Upgrades. (Continuation, 502420). Additional Nitrification, Primary and Final Clarifiers, and Grit Basin.
- 13.2      Odor and Corrosion Control Facilities. (Continuation, 701289). East Primary Clarifiers and Solids Dewatering Buildings.
- 13.3      Wet-Weather Treatment Facilities.
- 13.4      Solids Thickening Improvements - Dewatering, Digestion, and Co-Generation Improvements.
- 13.5      Liquid Waste Facilities - Septage Handling Improvements.

Sub-projects 13.1, 13.4, and 13.5 provide for additional capacity to meet future loads and flows. Treatment process improvements and capacity upgrades (sub-project 13.1) are necessary to reduce ammonia concentrations in the discharge to meet new NPDES effluent discharge permit limits and water quality criteria for Salt Creek. Reduction and control of odors at the facility are provided for in sub-project 13.2. Wet-weather treatment improvements to the treatment facilities to meet future Federal and State sanitary sewer overflows (SSO) regulations for treating wet weather flows and preventing SSO's are identified in sub-project 13.3. Also, sub-project 13.4 identifies additional solids handling facilities to meet future loads and flows. Sub-project 13.5 identifies improvements to the septage handling portion of the Liquid Waste Facility to improve handling and control odors.

#### **Project 14      Northeast Improvements.**

- 14.1.      Treatment Process Capacity Improvements and Upgrades. (Continuation, 502420). Additional Nitrification and Capacity Improvements.
- 14.2      Grit Removal Facilities Improvements.
- 14.3      Wet-Weather Treatment Facilities.
- 14.4      Solids Handling and Digestion Improvements.

Treatment process improvements and capacity upgrades (sub-project 14.1) are necessary to reduce ammonia concentrations in the discharge to meet new NPDES effluent discharge permit limits and water quality criteria for Salt Creek. Improvements to grit removal facilities for additional capacity and handling of collected grit in a cost effective manner are included in sub-project 14.2. Wet-weather treatment improvements to facilities to meet future Federal and State sanitary sewer overflows (SSO) regulations for treating wet weather flows and preventing SSO's are identified in sub-project 14.3. Sub-project 14.4 provides for expansion of solids digestion and handling to provide for additional capacity to meet future growth.

***Project Summary and Justification (cont.)***

Department      Public Utilities

Division          Wastewater

**Project 15      Electrical Control and Automation Improvements at Treatment Facilities.  
(Continuation, 502390)**

This project is a continuing effort to add considerable reliability to the control and electrical systems at the treatment facilities by providing upgrades to supervisory control and data monitoring of the treatment processes and related mechanical and electrical equipment to maintain treatment and improve operational efficiency.

**Project 16      Facilities Plan Update. (Continuation, 701173)**

Update the Comprehensive Master Plan for wastewater collection, pumping, and treatment facilities in accordance with the City's comprehensive planning efforts, to accommodate City growth and meet State and Federal regulatory operating requirements.

**Table 2. Wastewater  
Prioritized Capital Improvement Program (2003/04-2008/09)  
(For additional information, refer to six year CIP.)**

Priority	CIP Project No.	Project Title	Programmed Expenditure (000's)	Cumulative Total (000's)
1	3	Selected Replacement or Repair of Wastewater Facilities and/or Collectors	8,802.0	8,802.0
2	4	Addition to Maintenance Equipment Storage Building for Wastewater Collection	290.0	9,092.0
3	5.1	Phase II.b and III - Haymarket Park to S. 3rd and Old Cheney Road	11,100.0	20,192.0
4	13.2	Odor and Corrosion Control Facilities. East Primary Clarifiers and Solids Dewatering Buildings	2,100.0	22,292.0
5	13.1	Treatment Process Capacity Improvements and Upgrades. Additional Nitrification, Primary Clarifier and Final Clarifiers	30,100.0	52,392.0
6	14.1	Treatment Process Capacity Improvements and Upgrades. Additional Nitrification and Capacity Improvements	2,300.0	54,692.0
7	5.2	Phase IV and V - S. 4th and Rose Streets to S. 3rd and Old Cheney Road	7,320.0	62,012.0
8	14.2	Grit Removal Facilities Improvements	1,080.0	63,092.0
9	9.1	Beals Sough Phase I and II Relief Trunk Sewer - S. 14th Street to S. 56th Street and Hwy. #2	3,120.0	66,212.0
10	7.1	N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker Hwy	200.0	66,412.0
11	12	Stevens Creek Basin	300.0	66,712.0
12	6	Northeast Salt Creek Basin. New Trunk Sewer - N. 56th to N. 70th north of Salt Creek	50.0	66,762.0
13	10	West "O" Street Basin. Extend Trunk Sewer - S.W. 40th Street to near N.W. 48th Street and I-80	50.0	66,812.0
14	5.3	Upper Southeast and Southwest Salt Creek - S. 27th Street and Yankee Hill Road to Rokeby Road and S. 14th Street to S. 1st Street and Pine Lake Road	80.0	66,892.0
15	2	Preliminary Design and Engineering Support	25.0	66,917.0
16	1	Collection System Extension	139.0	67,056.0
17	10	West "O" Street Basin. Extend Trunk Sewer - S.W. 40th Street to near N.W. 48th Street and I-80	180.0	67,236.0
		<b>Funding Cut-Off Line for Six Year Program</b>		
18	7.1	N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker Hwy	1,550.0	68,786.0
19	5.2	Phase IV and V - S. 4th and Rose Streets to S. 3rd and Old Cheney Road.	2,490.0	71,276.0
20	9.1	Beals Slough Phase I and II Relief Trunk Sewer - S. 14th Street to S. 56th Street and Hwy. #2	400.0	71,676.0
21	2.0	Prelim Design & Engineering	26.0	71,702.0
22	1	Collection System Extension	146.0	71,848.0
23	10	West "O" Street Basin. , 701019 Extend Trunk Sewer - S.W. 40th Street to near N.W. 48th Street and I-80	1,620.0	73,468.0
24	9.2	Beals Slough - Extend Trunk Sewer - S. 65th Street and Pine Lake Road to S. 56th and S. 70th Streets and Yankee Hill Road	100.0	73,568.0
25	12	Stevens Creek Basin	4,700.0	78,268.0
26	9.1	Beals Slough Phase I and II Relief Trunk Sewer - S. 14th Street to S. 56th Street and Hwy. #2	4,300.0	82,568.0
27	13.2	Odor and Corrosion Control Facilities. East Primary Clarifiers and Solids Dewatering Buildings	2,600.0	85,168.0
28	9.2	Beals Slough - Extend Trunk Sewer - S. 65th Street and Pine Lake Road to S. 56th and S. 70th Streets and Yankee Hill Road. 1st Phased Sub-basin Development Area	560.0	85,728.0
29	12	Stevens Creek Basin	5,900.0	91,628.0

**Table 2. Wastewater  
Prioritized Capital Improvement Program (2003/04-2008/09)  
(For additional information, refer to six year CIP.)**

Priority	CIP Project No.	Project Title	Programmed Expenditure (000's)	Cumulative Total (000's)
30	5.3	Upper Southeast and Southwest Salt Creek - S. 27th Street and Yankee Hill Road to Rokeby Road and S. 14th Street to S. 1st Street and Pine Lake Road	1,390.0	93,018.0
31	6	Northeast Salt Creek Basin. New Trunk Sewer - N. 56th to N. 70th north of Salt Creek	1,600.0	94,618.0
32	9.2	Upper Beals Slough - Extend Trunk Sewer - S. 65th Street and Pine Lake Road to S. 56th and S. 70th Streets and Yankee Hill Road. 2nd Phased Sub-basin Development Area	990.0	95,608.0
33	2	Preliminary Design and Engineering Support	27.0	95,635.0
34	1	Collection System Extension	153.0	95,788.0
35	9.2	Upper Beals Slough - Extend Trunk Sewer - S. 65th Street and Pine Lake Road to S. 56th and S. 70th Streets and Yankee Hill Road. 3rd Phased Sub-basin Development Area	600.0	96,388.0
36	2	Preliminary Design and Engineering Support	28.0	96,416.0
37	1	Collection System Extension	161.0	96,577.0
38	9.2	Upper Beals Slough - Extend Trunk Sewer - S. 65th Street and Pine Lake Road to S. 56th and S. 70th Streets and Yankee Hill Road. 4th Phased Sub-basin Development Area	430.0	97,007.0
39	14.1	Treatment Process Capacity Improvements and Upgrades. Additional Nitrification and Capacity Improvements	2,860.0	99,867.0
40	2	Preliminary Design and Engineering Support	29.0	99,896.0
41	1	Collection System Extension	169.0	100,065.0
42	5.3	Upper Southeast and Southwest Salt Creek - S. 27th Street and Yankee Hill Road to Rokeby Road and S. 14th Street to S. 1st Street and Pine Lake Road	500.0	100,565.0
43	12	Stevens Creek Basin.	670.0	101,235.0
44	2	Preliminary Design and Engineering Support	30.0	101,265.0
45	1	Collection System Extension	177.0	101,442.0
46	7.2	Extend Trunk Sewer - N. 14th and Humphrey Avenue to approximately N. 7th Street and Alvo Road	140.0	101,582.0
47	8	Oak Creek Basin	60.0	101,642.0
48	8	Oak Creek Basin	1,075.0	102,717.0
49	11	Lynn Creek Trunk Sewer relief trunk sewer, N. 1st and Harvest Drive to Barons Road	180.0	102,897.0
50	15	Electrical Control and Automation Improvements at Treatment Facilities	110.0	103,007.0
51	16	Facilities Plan Update	120.0	103,127.0
52	13.5	Liquid Waste Facilities - Septage Handling Improvements	6,700.0	109,827.0
53	14.3	Wet-Weather Treatment Facilities	2,340.0	112,167.0
54	13.4	Solids Thickening Improvements - Dewatering, Digestion, and Co-Generation Improvements	1,500.0	113,667.0
55	14.4	Solids Handling and Digestion Improvement	600.0	114,267.0
56	13.5	Liquid Waste Facilities - Septage Handling Improvements	250.0	114,517.0

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# Lincoln CIP 2003 - 2009

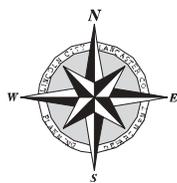
# Public Utilities Wastewater



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## Lincoln's Future Service Limit Shown as Gray

Map prepared by  
City - Co. Planning Dept  
GIS Section



### Symbol for Fiscal Years

- 2003- 2004
- ..... 2004- 2005
- 2005- 2006
- 2006- 2007
- ★ ★ ★ ★ ★ 2007- 2008
- ⊕ ⊕ ⊕ ⊕ ⊕ 2008- 2009
- ☀ Treatment Plant

*(Capital improvements often take many years to complete. The year shown on this map reflects the start up year or year of greatest activity. Consult the detailed project lists for further information on project scheduling and likely completion.)*

**List of Projects**      *Department: Public Utilities/Wastewater*

Project    Project  
Number    Title

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- 1\*      Collection System Extension - Match. Continuation, 502500
- 2\*      Preliminary Design and Engineering Support. Continuation, 502610
- 3      Selected Replacement or Repair of Wastewater Facilities and/or Collectors. Continuation, 700359
  - 3.1\*    Selected Replacement or Repair of Manholes. Continuation, 502720.
  - 3.2      Repair Sanitary Sewer - S. 17<sup>th</sup> and Vine Streets.
  - 3.3      Replace Sanitary Sewer - Knox Street, N. 56<sup>th</sup> to N. 47<sup>th</sup> Streets.
  - 3.4      Repair Sanitary Sewer - Harrison Avenue, Worthington Avenue to S. 19<sup>th</sup> Street.
  - 3.5      Repair Sanitary Sewer - S. 27<sup>th</sup> Street, Manse Avenue to Van Dorn Street.
  - 3.6      Repair Sanitary Sewer - S. 40<sup>th</sup> Street, Pawnee to Van Dorn Streets.
  - 3.7      Replace Sanitary Sewer - N.W. 44<sup>th</sup> Street, W. Mathis to Superior Streets.
- 4      Addition to Maintenance Equipment Storage Building for Wastewater Collection. Continuation, 701547
- 5      Salt Valley Basin - Relief Sewer Improvements. Continuation, 502450, 502452, 502453, and 502454
  - 5.1      Phase II.b and III - Haymarket Park to S. 3<sup>rd</sup> and Old Cheney Road.
  - 5.2      Phase IV and V - S. 4<sup>th</sup> and Rose Streets to S. 3<sup>rd</sup> and Old Cheney Road.
  - 5.3      Upper Southeast and Southwest Salt Creek - S. 27<sup>th</sup> Street and Yankee Hill Road to Rokeby Road and S. 14<sup>th</sup> Street to S. 1<sup>st</sup> Street and Pine Lake Road.
- 6      Northeast Salt Creek Basin. New Trunk Sewer - N. 56<sup>th</sup> to N. 70<sup>th</sup> north of Salt Creek.
- 7      Little Salt Creek Basin. Continuation, 502005, 502006, and 502007
  - 7.1      N. 31<sup>st</sup> Street Liftstation Outfall Improvements - N. 31<sup>st</sup> and Salt Creek to Cornhusker Hwy.
  - 7.2      Extend Trunk Sewer - N. 14<sup>th</sup> and Humphrey Avenue to approximately N. 7<sup>th</sup> Street and Alvo Road.
- 8      Oak Creek Basin. Continuation, 502940
  - 8.1      North Bank Trunk Sewer Extension - N.W. 38<sup>th</sup> to N.W. 40<sup>th</sup> and Hwy. #34.
- 9      Beals Slough Basin. Continuation, 700333, 700924, 700925, and 700926
  - 9.1      Phase I and II Relief Trunk Sewer - S. 14<sup>th</sup> Street to S. 56<sup>th</sup> Street and Hwy. #2.
  - 9.2      Upper Beals Slough - Extend Trunk Sewer - S. 65<sup>th</sup> Street and Pine Lake Road to S. 56<sup>th</sup> and S. 70<sup>th</sup> Streets and Yankee Hill Road.
- 10     West "O" Street Basin. Continuation, 701019 Extend Trunk Sewer - S.W. 40<sup>th</sup> Street to near N.W. 48<sup>th</sup> Street and I-80.
- 11     Lynn Creek Trunk Sewer relief trunk sewer, N. 1<sup>st</sup> and Harvest Drive to Barons Road.
- 12     Stevens Creek Basin.
  - 12.1    New Trunk Sewer System - Phase I through Phase III. Northeast WWTP to Leighton and Stevens Creek.
- 13     Theresa Street Improvements.
  - 13.1    Treatment Process Capacity Improvements and Upgrades. Continuation, 502420. Additional Nitrification, Primary Clarifier, and Final Clarifiers.
  - 13.2    Odor and Corrosion Control Facilities. Continuation, 701289. East Primary Clarifiers and Solids Dewatering Buildings.
  - 13.3    Wet-Weather Treatment Facilities.
  - 13.4    Solids Thickening Improvements - Dewatering, Digestion, and Co-Generation Improvements.
  - 13.5    Liquid Waste Facilities - Septage Handling Improvements.
- 14     Northeast Improvements.
  - 14.1    Treatment Process Capacity Improvements and Upgrades. Continuation, 502420. Additional Nitrification and Capacity Improvements.
  - 14.2    Grit Removal Facilities Improvements.
  - 14.3    Wet-Weather Treatment Facilities.
  - 14.4    Solids Handling and Digestion Improvement.
- 15\*    Electrical Control and Automation Improvements at Treatment Facilities. Continuation, 502390
- 16\*    Facilities Plan Update. Continuation, 701173

\* Indicates project is **NOT** shown on the map.

2003 - 2009 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)													
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)													
			2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS		
1.	COLLECTION SYSTEM EXTENSIONS - MATCH (Continuation, 502500)	A	139.0	UR	146.0	UR	153.0	UR	93.0	UR	68.0	RB	169.0	RB	177.0	UR
2.	PRELIMINARY DESIGN AND ENGINEERING SUPPORT. (Continuation, 502610)	A	25.0	UR	26.0	UR	27.0	UR	28.0	UR			29.0	RB	30.0	UR
3.	SELECTED REPLACEMENT OR REPAIR OF WASTEWATER FACILITIES AND/OR COLLECTORS. (Continuation, 700359)	A	100.0	UR	1,260.0	RB	1,320.0	UR	1,390.0	RB			1,460.0	RB	1,428.0	UR
	PROJECTS SUCH AS:															
	1. Selected Replacement or Repair of Manholes. (Con't 502720)	A	140.0	UR	147.0	UR	154.0	UR	162.0	RB			170.0	RB	179.0	UR
*	2. Repair Sanitary Sewer - 17th & Vine St.	A	80.0	UR												
*	3. Replace Sanitary Sewer - Knox St. , N.56th to N. 47th	A	250.0	UR												
*	4. Repair Sanitary Sewer - Harrison Ave, Worthington to S. 19th	A	40.0	UR												
*	5. Repair Sanitary Sewer - S. 27th, Manse to Van Dorn	A	20.0	UR												
*	6. Repair Sanitary Sewer - S. 40th, Pawnee to Van Dorn.	A	20.0	UR												
	7. Replace Sewer - NW 44th, West Mathis to Superior	A			380.0	UR										
	<b>TOTAL PROJECT 3</b>		<b>650.0</b>		<b>1,787.0</b>		<b>1,474.0</b>		<b>1,552.0</b>		<b>1,630.0</b>		<b>1,709.0</b>			
4.	Addition to Maintenance Equipment Storage Bldg. for Wastewater Collection (Con't 701547)	B	290.0	UR												

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2008-2009 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
945.0	Unknown	Continuous		945.0	GCP	1					945.0			1.
165.0	Unknown	Continuous		165.0	GCP	1	165.0							2.
7,060.0	Unknown	Continuous		7,060.0	GCP	1					7,060.0			3.
1,032.0	Unknown	Continuous		952.0	GCP	2					952.0			
80.0	Unknown	None		80.0	GCP	2			8.0		72.0			*
250.0	Unknown	None		250.0	GCP	2			25.0		225.0			*
40.0	Unknown	None		40.0	GCP	2			5.0		35.0			*
20.0	Unknown	None		20.0	GCP	2			2.0		18.0			*
20.0	Unknown	None		20.0	GCP	2			2.0		18.0			*
380.0	Unknown	None		360.0	GCP	2			40.0		320.0			
8,802.0									82.0		8,700.0			
290.0	Unknown	20.0	02-03	310.0	GCP	5			20.0		270.0			4.

2003 - 2009 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)														
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS			
	TRUNK SEWER SYSTEM																
5.**	SALT VALLEY BASIN - Relief Sewer (Cont 502540, 452, 453, & 454)																
	1. Phase IIb & III - Haymarket Park to 4th and Rose		7,890.0	RB	3,000.0	RB											
			210.0	IF													
	2. Phase IV & V - 4th & 'Rose' to 3rd & Old Cheney Rd	A	3,920.0	RB	3,400.0	RB	2,000.0	RB	490.0	RB							
	3. Upper S.E. & S.W. Salt Creek 27th & Yankee Hill Rd to Rokeby Rd. & S. 14th - S. 1st & Pine Lake Rd	A	80.0	RB			200.0	RB	1,190.0	RB						500.0	RB
	<b>TOTAL PROJECT 5</b>		<b>12,100.0</b>		<b>6,400.0</b>		<b>2,200.0</b>		<b>1,680.0</b>		<b>0.0</b>		<b>500.0</b>				
6.**	NORTHEAST SALT CREEK BASIN New Trunk Sewer - N. 56th to 70th, north of Salt Creek	A	50.0	RB			200.0	RB	600.0	RB	600.0	RB	200.0	RB			
7.**	LITTLE SALT CREEK BASIN (Cont 502005, 006, & 007)																
	1. N. 31st St. Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker	A	200.0	RB	800.0	RB	750.0	RB									
	2. Extend Trunk Sewer - N14th & Humphrey to approx 7th & Alvo Rd.	B			100.0	RB	40.0	DC									
	<b>TOTAL PROJECT 7</b>		<b>200.0</b>		<b>940.0</b>		<b>750.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		
8.	OAK CREEK BASIN (Continuation 502940) - North Bank Trunk Sewer Extension - NW 38th to NW 40th & Hwy # 34	B			60.0	RB	490.0	RB	325.0	RB	260.0	RB					
9.**	BEALS SLOUGH BASIN - (Cont 70033, 924, 925, & 926)																
	1. Relief Trunk ,Ph i & Ph ii - S. 14th to 56th & Hwy 2.	A	850.0	RB	2,030.0	RB	2,100.0	RB	2,190.0	RB	410.0	IF					
	2. Upper Beals Slough Extend Trunks - S 65th & Pine Lake Rd. to S. 56th & S 70th and Yankee Hill Rd	A	100.0	RB	560.0	RB	990.0	RB	600.0	RB	430.0	RB					
	<b>TOTAL PROJECT 9</b>		<b>950.0</b>		<b>2,830.0</b>		<b>3,090.0</b>		<b>3,200.0</b>		<b>430.0</b>		<b>0.0</b>				
10.**	WEST "O" ST. BASIN (Continuation 701019) - Extend Trunk Sewer - Southwest 40th to near Northwest 48th and I-80.	A	50.0	RB	1,100.0	RB	390.0	RB	310.0	IF							
11.	LYNN CREEK BASIN - Relief Trunk Sewer - 1st & Harvest Dr. to Barons Road	C							180.0	RB							
	** - Impact Fee Eligible																

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2008-2009 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		(000's)	YEAR FS	(5)+(6)+(7)			PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
		15,655.1	88-03											5.**
11,100.0	None	1,376.5	01-03	12,476.5	ICWP	2.8						11,100.0		
9,810.0	Unknown	500.0	02-03	10,100.0	ICWP	2,7	300.0					9,300.0		
1,970.0	1,000.0	None		2,970.0	ICWP	2	80.0	450.0	50.0			1,390.0		
22,880.0							380.0	450.0	50.0			21,790.0		
1,650.0	400.0	25.0	02-03	2,075.0	ICWP	2	50.0	50.0	5.0			1,545.0		6.**
		100.0	96-03	100.0	ICWP									7.**
1,750.0	260.0	40.0	02-03	2,050.0	ICWP	2,7		180.0	40.0			1,530.0		
140.0	Unknown	205.0	96-03	345.0	ICWP	2		14.0				126.0		
1,890.0								194.0	40.0			1,656.0		
1,135.0	3,400.0	2,284.2	90-03	6,819.2	GCP	2		120.0	100.0			915.0		8.
		349.0	98-03											9.**
7,820.0	Unknown	400.0	98-03	8,220.0	ICWP	2,7	150.0	700.0	300.0			6,670.0		
2,680.0	Unknown	90.0	01-03	2,530.0	GCP	2	30.0	244.0	100.0			2,066.0		
10,500.0							180.0	944.0	400.0			8,736.0		
1,850.0	Unknown	1,390.0	98-03	3,240.0	ICWP	2		250.0	50.0			1,550.0		10.**
180.0	Unknown	None		180.0	GCP	2		20.0				160.0		11.

2003 - 2009 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)															
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)															
			2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2008-2009	FS				
	TRUNK SEWER SYSTEM (Continued)																	
12.**	STEVENS CREEK BASIN - New Trunk Sewer System 1. Ph 1 thru 4 Northeast Plant to Leighton & Stevens Creek	A	2,400.0	RB	2,600.0	RB	600.0	RB	2,900.0	RB	1,930.0	RB	470.0	IF	170.0	UR	500.0	IF
	TREATMENT FACILITIES																	
13.	THERESA STREET IMPROVEMENTS																	
**	1. Treatment Process Capacity Improvements & Upgrades ( Continuation, 502420)-Add'l Nitrification, Primary Clarifier, Final Clarifiers.	A	7,800.0	RB	6,900.0	RB	5,550.0	RB	5,600.0	RB								
	2. Odor and Corrosion Control Facilities (Cont. 701289)East Primary Clarifiers & Solids Dewatering Bldg's.	A	2,100.0	RB	700.0	RB	400.0	RB	1,500.0	RB								
	3. Wet - Weather Treatment Facilities	C									1,200.0	RB			5,500.0	RB		
	4. Solids Handling Improvements - Dewatering, Digestion & Co-Generation Improvements	C													72.0	RB	1,428.0	UR
	5. Liquid Waste Facilities - Septage Handling Improvements	C															250.0	RB
	<b>TOTAL PROJECT 13</b>		<b>9,900.0</b>		<b>7,600.0</b>		<b>10,200.0</b>		<b>7,100.0</b>		<b>1,200.0</b>				<b>7,250.0</b>			

\*\* - Impact Fee Eligible

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
							COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
							PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2008-2009 (000's)	PRIOR APPROPRIATIONS (000's)	YEAR FS	TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS							
11,570.0	22,600.0	None		34,170.0	GCP	2	300.0	877.0	400.0	9,993.0			12.**
30,100.0	46,700.0	10,330.3	97-03	87,130.3	GCP	2, 7		1,600.0		28,500.0			13. **
4,700.0	Unknown	2,150.0	01-03	6,850.0	GCP	2, 7		470.0		4,230.0			
6,700.0	4,600.0	None		11,300.0	GCP	2		1,100.0		5,600.0			
1,500.0	18,500.0	None		20,000.0	GCP	2		400.0		1,100.0			
250.0	1,400.0	None		1,650.0	GCP	2		170.0		80.0			
43,250.0								3,740.0		39,510.0			

DEPARTMENT: PUBLIC UTILITIES

FORM A

2003 - 2009 CAPITAL IMPROVEMENT PROGRAM

DIVISION WASTEWATER

(1) PROJ. NO.	(2) PROJECT TITLE	(3) PROJ. PRIO.	(4) 5% Inflation per year											
			PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
			2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS	2007-2008	FS
14.	NORTHEAST IMPROVEMENTS													
**	1.Treatment Process Capacity Improvements & Upgrades ( Continuation, 502420)-Add'l Nitrification & Capacity Improvements	A	400.0	RB	700.0	RB	1,200.0	RB			960.0	RB	1,900.0	RB
	2. Grit Removal Facilities Improvements	A	310.0	RB	770.0	RB								
	3. Wet - Weather Treatment Facilities	C									840.0	RB	1,233.0	RB
	4. Solids Handling and Digestion Improvements	C											267.0	UR
	TOTAL PROJECT 14		710.0		1,470.0		1,200.0		0.0		1,800.0		4,000.0	
15	ELECTRICAL CONTROL AND AUTOMATION IMPROVEMENTS AT TREATMENT FACILITIES (Continuation 502390)	C			110.0	UR								
16.	FACILITIES PLAN UPDATE (Continuation 701173)	C					120.0	UR						
	** - Impact Fee Eligible													
	FUNDING SOURCE BREAKDOWN:													
	DC (Developer Contribution)		0.0		40.0		0.0		0.0		0.0		0.0	
	OF (Other Financing)		0.0		0.0		0.0		0.0		0.0		0.0	
	UR (Utility Revenues)		1,104.0		809.0		6,024.0		121.0		0.0		4,279.0	
	RB (Revenue Bonds)		26,150.0		23,980.0		14,870.0		17,195.0		8,048.0		9,757.0	
	IF (Impact Fee Revenues)		210.0		240.0		310.0		410.0		470.0		500.0	
	DIVISION TOTAL		27,464.0		25,069.0		21,204.0		17,726.0		8,518.0		14,536.0	

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2005-2006 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
5,160.0	12,000.0	4,200.0	91-03	21,360.0	GCP	2,7		450.0			4,710.0			14.
1,080.0	Unknown	None		1,080.0	GCP	2		110.0			970.0			
2,340.0	Unknown	None		2,340.0	GCP	2		200.0			2,140.0			
600.0	2,700.0	None		3,300.0	GCP	2		300.0			300.0			
9,180.0								1,060.0			8,120.0			
110.0	375.0	2,994.9	91-03	3,479.9	GCP	2		10.0			100.0			15
120.0	240.0	220.0	90-03	580.0	GCP	0,1						120.0 (Studies)		16.
40.0														
0.0														
12,337.0														
100,000.0														
2,140.0														
=====														
114,517.0														

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